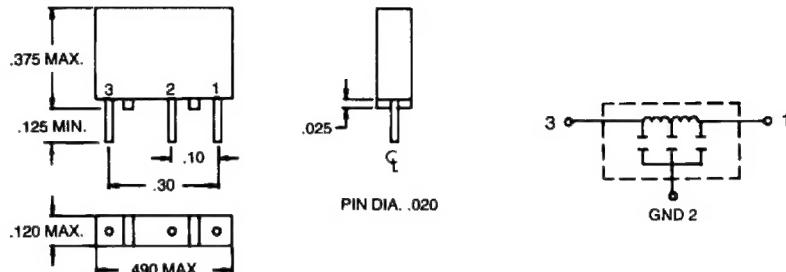


## LUMPED CONSTANT DELAY LINE 0432 PICOLINE AND 0402 SERIES

### TECHNICAL INFORMATION

#### TEST CONDITIONS

Pulse Width       $3.0 \times$  Total Delay,  
                       5.0 Nsec min.  
 Pulse Period       $4 \times$  Pulse Width  
 Rise Time          1.0 NSec (10%-90%)  
 Pulse Voltage     1 Volt  
 Ambient Temperature 25°C



#### PERFORMANCE CHARACTERISTICS

Distortion           10% max.  
 Performance Characteristics apply at  
 above listed Test Conditions.

#### ELECTRICAL CHARACTERISTICS

Operating Temperature Range  
     -55°C To 125°C  
 Temperature Coefficient Of Total Delay  
     100PPM/°C Typical  
 Dielectric Withstanding Voltage  
     50 Volt DC  
 Operation  
     Bidirectional  
 —Compatible with TTL and ECL circuits  
 —Other delays and impedances upon  
     request  
 —Gold coated pins for excellent  
     conductivity for time delays of 100 to  
     1000 PS.

Part Number	Time Delay	*Rise Time	DCR Max (OHMS)	$Z_0 \pm 10\%$ (OHMS)
0432-0100-55	$100 \pm 50$ PS	0.9 NS	0.20	55
0432-0200-55	$200 \pm 50$ PS	0.9 NS	0.20	55
0432-0300-55	$300 \pm 50$ PS	0.9 NS	0.20	55
0432-0400-55	$400 \pm 50$ PS	1.0 NS	0.20	55
0432-0500-55	$500 \pm 50$ PS	1.0 NS	0.22	55
0432-0600-55	$600 \pm 60$ PS	1.1 NS	0.24	55
0432-0700-55	$700 \pm 70$ PS	1.2 NS	0.26	55
0432-0800-55	$800 \pm 80$ PS	1.3 NS	0.28	55
0432-0900-55	$900 \pm 90$ PS	1.4 NS	0.30	55
0432-1000-55	$1000 \pm 100$ PS	1.5 NS	0.30	55

\*Rise time measured from 20% to 80% of the pulse.

Part Number 55 OHMS $\pm 10\%$	Part Number 93 OHMS $\pm 10\%$	Time Delay	*Rise Time	DCR Max (OHMS)
0402-0001-55	0402-0001-93	$1 \pm .2$ NS	1.6NS	0.20
0402-0002-55	0402-0002-93	$2 \pm .2$ NS	1.6NS	0.25
0402-0003-55	0402-0003-93	$3 \pm .2$ NS	1.7NS	0.37
0402-0004-55	0402-0004-93	$4 \pm .2$ NS	1.7NS	0.50
0402-0005-55	0402-0005-93	$5 \pm .25$ NS	1.8NS	0.62
0402-0006-55	0402-0006-93	$6 \pm .3$ NS	2.0NS	0.75
0402-0007-55	0402-0007-93	$7 \pm .3$ NS	2.2NS	0.80
0402-0008-55	0402-0008-93	$8 \pm .3$ NS	2.4NS	0.85
0402-0009-55	0402-0009-93	$9 \pm .3$ NS	2.6NS	0.90
0402-0010-55	0402-0010-93	$10 \pm .3$ NS	2.8NS	0.95

\*Rise Time measured from 20% to 80% of the pulse.